

**ABSTRACT OF THE DISCLOSURE**

In the treatment of morbid obesity or heartburn and reflux disease an

- 5 elongated restriction member (12) is formed in a substantially closed loop around a  
human's stomach or esophagus to form a stoma opening in the stomach or  
esophagus. The size of the stoma opening is adjustable by an implanted adjustment  
device. A control device (22) is utilized to control the adjustment device, in order to  
either reduce or enlarge the size of the stoma opening, for example in response to  
10 the time of the day. Nausea in a treated obese human can be minimized or  
substantially eliminated as a result of the control device controlling the adjustment  
device to keep the stoma opening substantially fully open between meals (such as at  
night when the human is sleeping).

A sensor (23), such as a pressure or position sensor, is surgically implanted in  
the human's body so that the sensor may either directly or indirectly sense a physical  
parameter of the human, such as the pressure in the stomach or the human's  
orientation with respect to the horizontal. If in response to sensing by the sensor it is  
determined by the control device that a significant change in the physical parameter  
has occurred, then the control device controls the adjustment device to either reduce  
20 or enlarge the size of the stoma opening.